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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,037	04/25/2001	Tatsuhiko Kawasaki	1466.1037	4357

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EXAMINER
ALPHONSE, FRITZ

ART UNIT	PAPER NUMBER
2675	# 2

DATE MAILED: 04/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/841,037	Applicant(s) KAWASAKI ET AL.	
	Examiner Fritz Alphonse	Art Unit 2675	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on *25 April 2001* .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☐ Claim(s) *1-7* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-7* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless -
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Fujimoto (U.S. Pat. No. 6,498,593).

As to claim 1, Fujimoto (fig. 2) teaches about a plasma display panel comprising: scan electrodes (X, Y) for selecting a row of a matrix display; data electrodes (i.e., Aa, Ab) for selecting a column; a partition (i.e., rib 7) for defining a discharge space at least for each column; k (k>= 2) of the data electrodes being arranged for each column of the matrix display (note data electrodes Aa, Ab represent k>=2), the data electrode being continuous from one end of the column to the other end (see figure 2); all the scan electrodes within a display screen being classified into k groups (Aa, Ab

forms one group), one of the k groups being assigned to k data electrodes in each column (col. 8, lines 30-39); and each of the data electrodes (Aa, Ab) being crossed with or opposed to scan electrodes belonging to the group that is assigned to the data electrode without overlapping a partition (note in figure 4, Aa does not overlap the partition while Ab which is crossed with other scan electrodes with overlapping the partition). See col. 8, lines 30-56 and figures 4-5.

As to claims 2, Fujimoto (figs. 2) shows a plasma display panel, wherein the scan electrodes which are selected from each of the k groups within the display screen, are connected electrically.

As to claim 3, Fujimoto (figs. 1, 2) show a plasma display panel, wherein both ends of all data electrodes (Aa, Ab) are led out of a sealing member that surrounds the display screen so as to close the discharge space.

As to claim 4, Fijimoto (fig.2) shows a plasma display panel, wherein each of the data (Aa, Ab) electrodes is widened locally in a plan view at portions being crossed with or opposed to scan electrodes (X, Y) belonging to the group that is assigned to the data electrode.

As to claims 5-6, method claims 5-6 corresponds to apparatus claim 1, therefore, they are analyzed as discussed in claim 1 above.

As to claim 7, Fujimoto (fig. 1) show a plasma display panel comprising: a pair of substrates (1, 6) defining a discharge space (note the ribs 7 define the discharge space); scan electrodes (X, Y) arranged on one of the substrates for row selection of a matrix display; data electrodes (Aa, Ab) arranged on the other substrate for column selection of a matrix display, two of the data electrodes (Aa, Ab) are arranged for each column; and a barrier (7) provided at the portion corresponding to

the data electrode for preventing discharge between the data electrode and the scan electrode so as to make the two data electrode valid and invalid alternately for a predetermined number of rows (note the two data electrode (Aa, Ab) valid and invalid alternately with the presence and absence of dischargeable area in each pair of data electrode) .

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Gay et al. (U.S. Pat. No. 5,086,257) discloses a plasma panel with increased addressability.

Shinoda et al. (U.S. Pat. No. 5,674,553) discloses a full color surface discharge type plasma display device.

Takagi et al. (U.S. Pat. No. 6,376,986) discloses a plasma display panel that can prevent interferences of discharge between rows securely without reducing operation margin.

Chikazawa (U.S. Pat. No. 6,400,082) discloses an AC plasma display panel having electrode sets including transparent protrusions.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to: (703) 308-9051, (for formal communications intended for entry)

Or:

(703)308-6606 (for informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fritz Alphonse whose telephone number is (703) 308-8534.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Saras, can be reached on (703) 305-9720.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

F. Alphonse

Art Unit: 2675

March 18, 2003

STEVEN SARAS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600